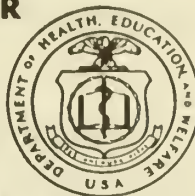


COMMUNICABLE DISEASE CENTER



Vol. 14, No. 15

WEEKLY
REPORTWeek Ending
April 17, 1965

Morbidity and Mortality

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

EPIDEMIOLOGIC NOTES

There have been 51 cases of tetanus reported through the fifteenth week of 1965. This compares to 55 cases reported for the similar period last year.

Slightly over half of these cases occurred in the Southern States; the South Atlantic, and East and West South Central Districts. This distribution of cases is similar to that observed in recent years.

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Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

(Cumulative totals include revised and delayed reports through previous weeks)

Disease	15th Week Ended		Median 1960 - 1964	Cumulative, First 15 Weeks		
	April 17, 1965	April 11, 1964		1965	1964	Median 1960 - 1964
Aseptic meningitis	21	41	29	426	412	361
Brucellosis	2	6	10	62	106	106
Diphtheria	5	3	8	69	55	149
Encephalitis, primary infectious ..	31	31	---	440	475	---
Encephalitis, post-infectious	15	26	---	212	203	---
Hepatitis, infectious including serum hepatitis	670	775	836	11,679	13,752	15,489
Measles	10,855	26,942	18,862	139,482	195,884	183,291
Meningococcal infections	103	100	51	1,315	975	818
Poliomyelitis, Total	-	-	3	6	19	83
Paralytic	-	-	3	5	14	55
Nonparalytic	-	-	---	1	4	---
Unspecified	-	-	---	-	1	---
Streptococcal Sore Throat and Scarlet fever	9,949	11,378	8,199	167,724	162,618	142,302
Tetanus	2	4	---	51	55	---
Tularemia	2	3	---	56	76	---
Typhoid fever	4	6	11	99	94	117
Rabies in Animals	106	109	102	1,540	1,251	1,221

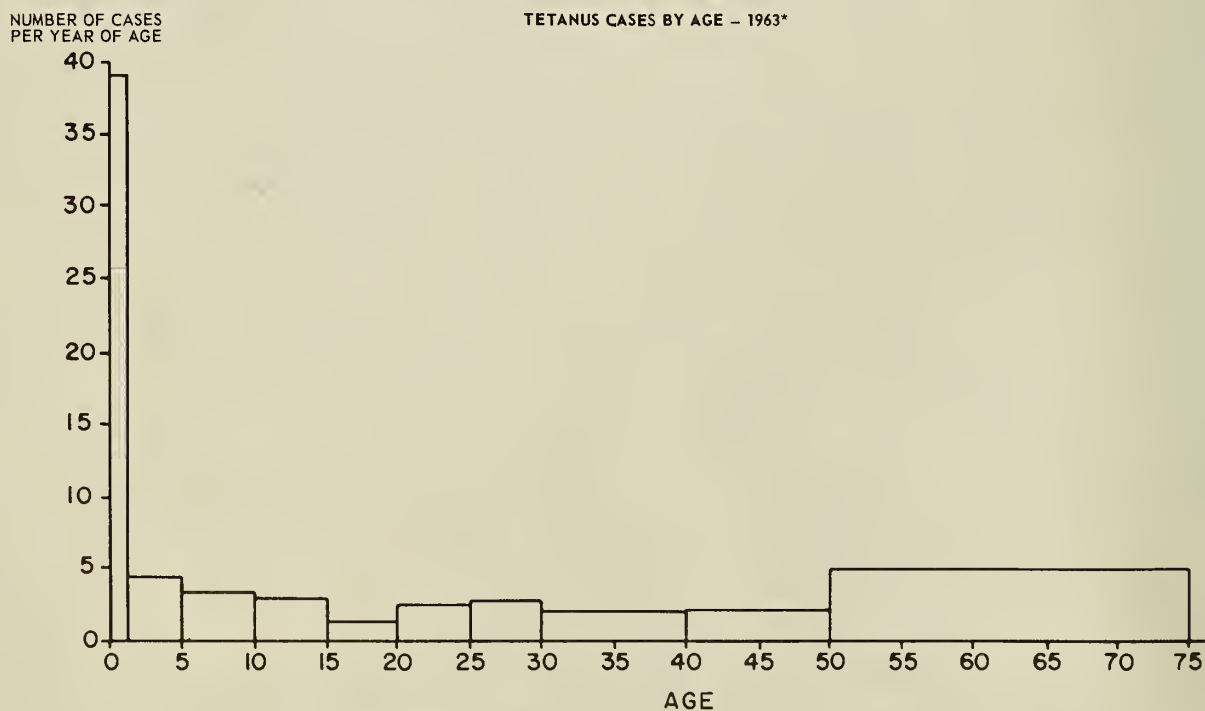
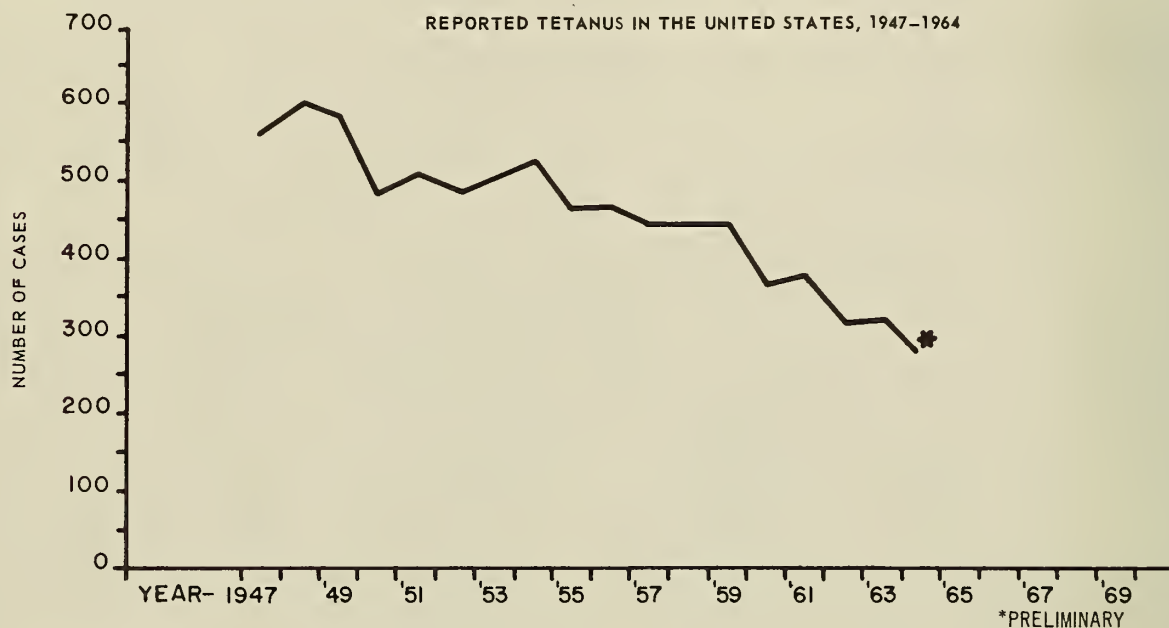
Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	4	Rabies in Man:	-
Botulism:	2	Smallpox:	-
Leptospirosis:	10	Trichinosis: Texas-1	48
Malaria: P.R.-1, Ga.-1	13	Typhus-	
Plague:	-	Murine:	5
Psittacosis: N.Y. Up-State-1, Ohio-1	9	Rky Mt. Spotted:	6

TETANUS SURVEILLANCE SUMMARY

In contrast to diphtheria, tetanus has declined remarkably slowly in the past 2 decades despite extensive immunization, particularly of children.

Over half of all cases of tetanus in the United States occur among adults. Of cases among adults, females account for the greater proportion among all age groups up to 50 years. Beyond 50, cases are more frequent among males. The ex-



*EXCLUDES 33 CASES WITH UNKNOWN AGE.

Source: National Morbidity Reports

tensive tetanus immunization program carried out during World War II in the Military appears to have conferred durable immunity to those immunized.*

Although cases are reported somewhat more frequently from the southern states, tetanus occurs throughout all regions of the country. Recorded deaths due to neonatal tetanus, however, are confined almost exclusively to the southern United States.

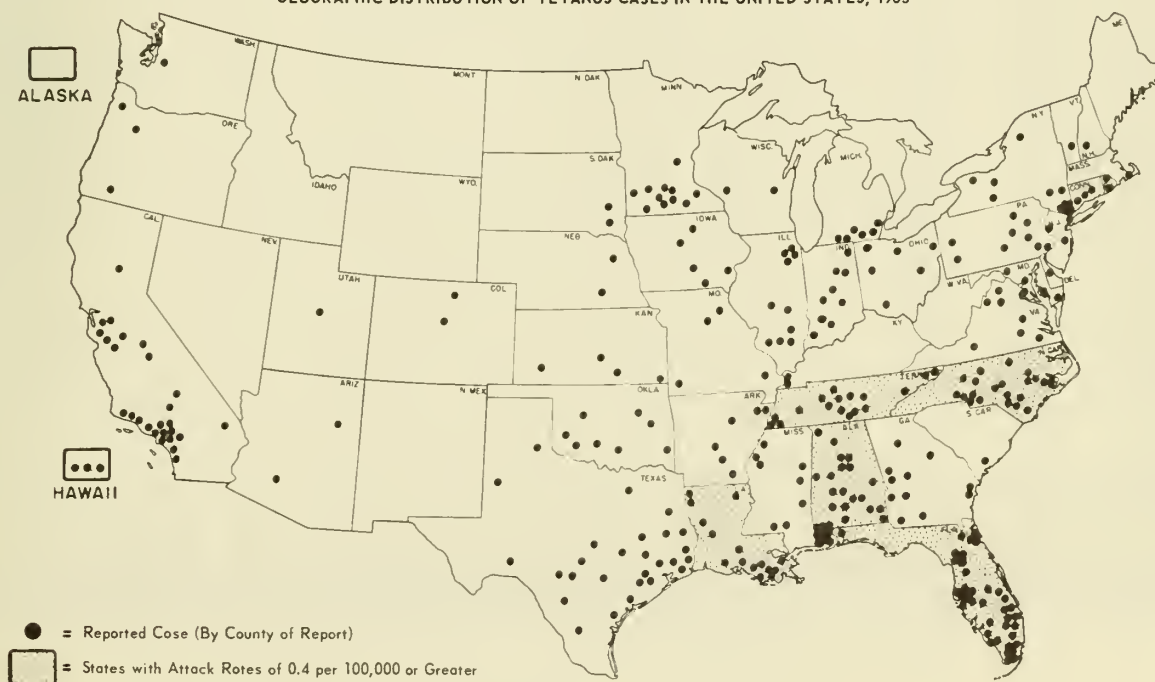
*Arnick, V.W., and Alexander, E.R.: *Tetanus in the United States, a review of the problem*, *American Journal of Public Health* 47(12): 1493-1501, December 1959.

NEONATAL TETANUS MORTALITY, 1958-62
COUNTIES REPORTING AT LEAST ONE DEATH



SOURCE: National Vital Statistics Division
NCHS, PHS, DHEW.

GEOGRAPHIC DISTRIBUTION OF TETANUS CASES IN THE UNITED STATES, 1963



[illegible]

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
APRIL 17, 1965 AND APRIL 11, 1964 (15th WEEK) - Continued

Area	Brucel- losis	Infectious Hepatitis including Serum Hepatitis					Meningococcal Infections			Tetanus	
		Total incl. unk.	Under 20 years	20 years and over	Cumulative Totals		1965	Cumulative		1965	Cum. 1965
		1965	1965	1965	1965	1964		1965	1964		
UNITED STATES...	2	670	328	306	11,679	13,752	103	1,315	975	2	51
NEW ENGLAND.....	-	45	22	21	690	1,489	3	66	26	-	3
Maine.....	-	12	6	5	146	526	-	8	2	-	-
New Hampshire.....	-	4	1	3	60	121	-	4	-	-	1
Vermont.....	-	1	1	-	37	183	-	1	1	-	-
Massachusetts.....	-	16	10	6	254	290	2	23	13	-	2
Rhode Island.....	-	7	4	3	87	68	-	11	2	-	-
Connecticut.....	-	5	-	4	106	301	1	19	8	-	-
MIDDLE ATLANTIC.....	-	91	35	56	2,024	3,106	14	173	101	-	3
New York City.....	-	17	2	15	372	439	1	26	17	-	-
New York, Up-State.....	-	18	10	8	875	1,403	3	40	33	-	1
New Jersey.....	-	32	12	20	323	560	6	60	25	-	-
Pennsylvania.....	-	24	11	13	454	704	4	47	26	-	2
EAST NORTH CENTRAL...	-	126	74	46	2,258	2,062	14	157	142	-	5
Ohio.....	-	22	11	10	698	545	6	47	44	-	1
Indiana.....	-	4	3	1	170	169	3	22	25	-	3
Illinois.....	-	29	16	10	442	333	2	37	29	-	1
Michigan.....	-	61	39	22	818	893	3	28	32	-	-
Wisconsin.....	-	10	5	3	130	122	-	23	12	-	-
WEST NORTH CENTRAL...	1	51	22	23	769	816	3	68	50	-	3
Minnesota.....	-	2	1	1	68	65	-	14	10	-	2
Iowa.....	-	17	10	4	304	119	1	2	2	-	-
Missouri.....	-	14	3	8	148	200	1	35	26	-	1
North Dakota.....	-	1	-	1	11	35	-	3	3	-	-
South Dakota.....	1	1	1	-	9	86	-	2	-	-	-
Nebraska.....	-	4	1	3	23	18	1	5	4	-	-
Kansas.....	-	12	6	6	206	293	-	7	5	-	-
SOUTH ATLANTIC.....	-	74	33	40	1,222	1,352	21	265	200	1	14
Delaware.....	-	1	1	-	50	30	-	3	2	-	-
Maryland.....	-	7	3	4	254	260	-	26	15	-	1
Dist. of Columbia..	-	1	-	1	14	26	-	4	8	-	-
Virginia.....	-	37	19	17	311	205	2	30	17	-	2
West Virginia.....	-	4	4	-	199	237	2	18	16	-	-
North Carolina.....	-	8	3	5	102	247	6	42	33	-	1
South Carolina.....	-	3	2	1	37	42	6	41	29	1	1
Georgia.....	-	3	-	3	45	31	2	35	17	-	3
Florida.....	-	10	1	9	210	274	3	66	63	-	6
EAST SOUTH CENTRAL...	-	44	20	22	904	976	17	93	98	-	9
Kentucky.....	-	10	7	1	319	438	12	41	34	-	1
Tennessee.....	-	7	4	3	348	330	3	26	34	-	3
Alabama.....	-	10	3	7	131	133	2	20	17	-	4
Mississippi.....	-	17	6	11	106	75	-	6	13	-	1
WEST SOUTH CENTRAL...	1	47	28	18	1,043	992	12	207	135	1	8
Arkansas.....	1	1	1	-	147	115	2	12	7	-	2
Louisiana.....	-	5	3	2	180	203	7	112	65	-	2
Oklahoma.....	-	-	-	-	32	62	-	16	3	-	-
Texas.....	-	41	24	16	684	612	3	67	60	1	4
MOUNTAIN.....	-	54	20	17	728	900	4	58	36	-	1
Montana.....	-	3	3	-	56	85	-	1	-	-	-
Idaho.....	-	4	-	-	126	68	-	7	1	-	-
Wyoming.....	-	-	-	-	25	32	-	2	1	-	-
Colorado.....	-	17	9	8	134	262	-	10	7	-	1
New Mexico.....	-	8	5	2	134	146	1	17	18	-	-
Arizona.....	-	12	-	-	138	197	3	14	2	-	-
Utah.....	-	10	3	7	110	82	-	5	1	-	-
Nevada.....	-	-	-	-	5	28	-	2	6	-	-
PACIFIC.....	-	138	74	63	2,041	2,059	15	228	187	-	5
Washington.....	-	5	1	4	168	212	1	16	16	-	-
Oregon.....	-	12	6	6	170	215	1	18	11	-	-
California.....	-	113	62	51	1,570	1,520	13	187	150	-	5
Alaska.....	-	8	5	2	121	65	-	4	5	-	-
Hawaii.....	-	-	-	-	12	47	-	3	5	-	-
Puerto Rico	-	41	28	11	374	262	-	3	14	3	13

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
APRIL 17, 1965 AND APRIL 11, 1964 (15th WEEK) - Continued

Area	Measles			Strept. Sore Th. & Scarlet Fev.	Tularemia		Typhoid Fever		Rabies in Animals	
	1965	Cumulative			1965	Cum. 1965	1965	Cum. 1965	1965	Cum. 1965
		1965	1964							
UNITED STATES...	10,855	139,482	195,884	9,949	2	56	4	99	106	1,540
NEW ENGLAND.....	1,453	27,185	7,602	1,123	-	-	-	1	1	19
Maine.....	74	2,010	979	159	-	-	-	-	-	-
New Hampshire.....	10	321	139	27	-	-	-	-	-	-
Vermont.....	49	426	1,568	5	-	-	-	-	1	18
Massachusetts.....	805	15,165	2,203	106	-	-	-	1	-	-
Rhode Island.....	135	2,990	641	96	-	-	-	-	-	-
Connecticut.....	380	6,273	2,072	730	-	-	-	-	-	1
MIDDLE ATLANTIC.....	498	5,460	26,417	460	-	-	-	13	7	57
New York City.....	77	557	8,675	22	-	-	-	6	-	-
New York, Up-State.....	135	1,732	6,031	236	-	-	-	4	6	54
New Jersey.....	93	966	6,030	99	-	-	-	2	-	-
Pennsylvania.....	193	2,205	5,681	103	-	-	-	1	1	3
EAST NORTH CENTRAL...	2,146	26,268	41,789	1,373	1	2	1	14	5	160
Ohio.....	559	5,597	8,395	199	-	-	-	3	-	74
Indiana.....	62	1,051	9,568	82	-	-	-	4	2	14
Illinois.....	111	1,046	7,904	270	1	2	1	2	3	31
Michigan.....	979	13,828	10,347	631	-	-	-	3	-	13
Wisconsin.....	435	4,746	5,575	191	-	-	-	2	-	28
WEST NORTH CENTRAL...	1,105	10,851	6,891	350	-	5	-	3	35	277
Minnesota.....	41	354	138	20	-	-	-	-	3	65
Iowa.....	719	6,002	3,948	103	-	-	-	-	8	85
Missouri.....	157	1,599	475	37	-	3	-	3	6	40
North Dakota.....	133	2,559	1,831	176	-	-	-	-	1	11
South Dakota.....	3	58	3	14	-	1	-	-	-	15
Nebraska.....	52	279	496	-	-	-	-	-	1	18
Kansas.....	NN	NN	NN	-	-	1	-	-	16	43
SOUTH ATLANTIC.....	863	16,337	17,999	1,189	-	20	2	25	17	228
Delaware.....	59	345	192	130	-	-	1	3	-	-
Maryland.....	32	584	2,039	279	-	-	-	8	-	2
Dist. of Columbia..	2	22	303	11	-	-	-	-	-	-
Virginia.....	200	2,562	4,838	335	-	3	-	2	12	185
West Virginia.....	333	9,882	4,190	229	-	-	-	1	1	8
North Carolina.....	24	194	644	20	-	4	-	7	1	1
South Carolina.....	22	629	2,504	30	-	3	-	2	1	1
Georgia.....	31	461	130	20	-	10	1	1	-	16
Florida.....	160	1,658	3,159	135	-	-	-	1	2	15
EAST SOUTH CENTRAL...	571	8,117	27,331	1,355	-	13	-	12	22	456
Kentucky.....	23	976	12,161	203	-	3	-	5	-	30
Tennessee.....	330	4,867	10,962	1,056	-	9	-	3	22	419
Alabama.....	87	1,579	548	46	-	1	-	2	-	7
Mississippi.....	131	695	3,660	50	-	-	-	2	-	-
WEST SOUTH CENTRAL...	1,942	19,547	34,229	910	1	10	1	14	13	245
Arkansas.....	2	827	684	1	-	5	1	6	1	35
Louisiana.....	4	47	54	1	-	1	-	2	1	43
Oklahoma.....	9	120	456	84	-	3	-	1	3	46
Texas.....	1,927	18,553	33,035	824	1	1	-	5	8	121
MOUNTAIN.....	894	11,024	8,059	1,856	-	6	-	11	1	29
Montana.....	90	2,705	1,482	16	-	1	-	-	-	3
Idaho.....	146	1,657	1,024	153	-	-	-	-	-	-
Wyoming.....	27	566	51	31	-	-	-	1	-	-
Colorado.....	459	2,308	1,347	1,155	-	-	-	-	-	-
New Mexico.....	23	358	146	187	-	-	-	7	-	5
Arizona.....	54	443	3,130	109	-	-	-	3	1	21
Utah.....	93	2,901	508	205	-	5	-	-	-	-
Nevada.....	2	86	371	-	-	-	-	-	-	-
PACIFIC.....	1,383	14,693	25,567	1,333	-	-	-	6	5	69
Washington.....	407	4,350	9,099	251	-	-	-	1	-	-
Oregon.....	187	2,108	2,840	26	-	-	-	1	1	2
California.....	612	6,518	12,622	964	-	-	-	3	4	67
Alaska.....	5	102	870	73	-	-	-	-	-	-
Hawaii.....	172	1,615	136	19	-	-	-	1	-	-
Puerto Rico	156	986	2,383	29	-	-	-	-	1	5

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Week No. Table 4. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED APRIL 17, 1965

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(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
NEW ENGLAND:	680	424	22	32	SOUTH ATLANTIC:	1,217	614	64	75
Boston, Mass.-----	202	109	5	8	Atlanta, Ga.-----	125	43	6	13
Bridgeport, Conn.-----	29	20	1	3	Baltimore, Md.-----	281	137	8	12
Cambridge, Mass.-----	29	19	-	-	Charlotte, N. C.-----	38	20	3	2
Fall River, Mass.-----	25	20	1	1	Jacksonville, Fla.-----	84	38	4	5
Hartford, Conn.-----	50	30	1	4	Miami, Fla.-----	99	56	4	3
Lowell, Mass.-----	22	15	1	1	Norfolk, Va.-----	48	22	4	2
Lynn, Mass.-----	26	17	-	-	Richmond, Va.-----	87	49	3	5
New Bedford, Mass.-----	20	16	1	1	Savannah, Ga.-----	30	12	-	1
New Haven, Conn.-----	55	31	-	4	St. Petersburg, Fla.-----	88	72	9	1
Providence, R. I.-----	74	46	3	4	Tampa, Fla.-----	91	48	12	6
Somerville, Mass.-----	4	3	-	-	Washington, D. C.-----	202	95	9	21
Springfield, Mass.-----	51	38	2	-	Wilmington, Del.-----	44	22	2	4
Waterbury, Conn.-----	36	24	2	2					
Worcester, Mass.-----	57	36	5	4	EAST SOUTH CENTRAL:	513	272	25	33
MIDDLE ATLANTIC:	3,378	2,022	156	159	Birmingham, Ala.-----	94	55	2	3
Albany, N. Y.-----	47	26	1	5	Chattanooga, Tenn.-----	35	21	3	2
Allentown, Pa.-----	39	26	4	2	Knoxville, Tenn.-----	37	28	2	-
Buffalo, N. Y.-----	145	92	3	6	Louisville, Ky.-----	60	32	6	4
Camden, N. J.-----	38	22	5	3	Memphis, Tenn.-----	118	58	5	12
Elizabeth, N. J.*-----	31	19	1	2	Mobile, Ala.-----	35	14	3	5
Erie, Pa.-----	33	22	3	2	Montgomery, Ala.-----	38	17	1	4
Jersey City, N. J.-----	60	44	5	3	Nashville, Tenn.-----	96	47	3	3
Newark, N. J.-----	82	40	4	5	WEST SOUTH CENTRAL:	1,033	521	56	66
New York City, N. Y.-----	1,760	1,065	83	68	Austin, Tex.-----	46	25	11	3
Paterson, N. J.-----	42	27	3	4	Baton Rouge, La.*-----	31	15	2	2
Philadelphia, Pa.-----	567	307	23	31	Corpus Christi, Tex.-----	36	14	2	1
Pittsburgh, Pa.-----	149	90	3	9	Dallas, Tex.-----	122	59	4	12
Reading, Pa.-----	52	35	3	-	El Paso, Tex.-----	37	23	2	5
Rochester, N. Y.-----	95	51	4	7	Fort Worth, Tex.-----	79	39	7	3
Schenectady, N. Y.*-----	26	17	1	1	Houston, Tex.-----	198	84	4	12
Scranton, Pa.-----	34	19	1	1	Little Rock, Ark.-----	47	31	4	2
Syracuse, N. Y.-----	57	38	1	2	New Orleans, La.-----	151	81	6	9
Trenton, N. J.-----	44	21	2	1	Oklahoma City, Okla.-----	69	33	2	5
Utica, N. Y.-----	34	28	4	2	San Antonio, Tex.-----	105	49	3	6
Yonkers, N. Y.-----	43	33	2	5	Shreveport, La.-----	47	32	6	4
EAST NORTH CENTRAL:	2,394	1,388	94	108	Tulsa, Okla.-----	65	36	3	2
Akron, Ohio-----	77	54	-	4	MOUNTAIN:	446	240	19	30
Canton, Ohio-----	35	22	1	1	Albuquerque, N. Mex.-----	48	22	4	3
Chicago, Ill.-----	568	315	22	23	Colorado Springs, Colo.-----	14	7	2	-
Cincinnati, Ohio-----	160	89	5	4	Denver, Colo.-----	127	69	6	5
Cleveland, Ohio*-----	194	111	3	9	Ogden, Utah-----	18	9	1	3
Columbus, Ohio-----	118	65	6	2	Phoenix, Ariz.-----	97	55	4	5
Dayton, Ohio-----	75	43	1	5	Pueblo, Colo.-----	18	12	-	1
Detroit, Mich.-----	370	218	23	20	Salt Lake City, Utah-----	71	37	2	9
Evansville, Ind.-----	27	17	3	1	Tucson, Ariz.-----	53	29	-	4
Flint, Mich.-----	59	27	2	3	PACIFIC:	1,648	971	55	90
Fort Wayne, Ind.-----	49	24	5	2	Berkeley, Calif.-----	14	7	-	-
Gary, Ind.-----	25	10	4	2	Fresno, Calif.-----	37	24	-	2
Grand Rapids, Mich.-----	36	24	2	4	Glendale, Calif.-----	39	25	-	3
Indianapolis, Ind.-----	178	113	2	11	Honolulu, Hawaii-----	41	18	4	5
Madison, Wis.-----	57	26	-	5	Long Beach, Calif.*-----	68	41	2	4
Milwaukee, Wis.-----	113	71	3	6	Los Angeles, Calif.-----	572	332	22	31
Peoria, Ill.-----	27	17	-	-	Oakland, Calif.-----	92	52	2	7
Rockford, Ill.-----	32	22	2	1	Pasadena, Calif.-----	50	36	-	2
South Bend, Ind.-----	40	30	4	1	Portland, Oreg.-----	124	66	5	3
Toledo, Ohio-----	109	67	6	2	Sacramento, Calif.-----	76	42	4	8
Youngstown, Ohio-----	45	23	-	2	San Diego, Calif.-----	99	55	1	8
WEST NORTH CENTRAL:	818	490	29	46	San Francisco, Calif.-----	165	94	5	9
Des Moines, Iowa-----	56	31	2	3	San Jose, Calif.-----	33	23	1	1
Duluth, Minn.-----	21	11	-	-	Seattle, Wash.-----	142	86	6	5
Kansas City, Kans.-----	50	22	5	5	Spokane, Wash.-----	63	51	2	1
Kansas City, Mo.-----	130	73	2	9	Tacoma, Wash.-----	33	19	1	1
Lincoln, Nebr.-----	26	19	-	1	Total	12,127	6,942	520	639
Minneapolis, Minn.-----	87	52	1	7	Cumulative Totals				
Omaha, Nebr.-----	69	42	2	6	including reported corrections for previous weeks				
St. Louis, Mo.-----	264	161	8	12	All Causes, All Ages-----	199,616			
St. Paul, Minn.-----	60	43	2	1	All Causes, Age 65 and over-----	114,185			
Wichita, Kans.-----	55	36	7	2	Pneumonia and Influenza, All Ages-----	9,798			
					All Causes, Under 1 Year of Age-----	11,597			

*Estimate - based on average percent of divisional total.



INTERNATIONAL NOTES

SMALLPOX – Sudan

On March 17, 1965 the health administration of the Sudan notified the World Health Organization of one fatal case of smallpox in Waddayoma Village in the Wad Medani area (Northern Gezira District, Blue Nile Province). Smallpox had not previously been reported in the Sudan since March 30, 1963. The area where this fatal case occurred was well covered by a mass vaccination campaign in 1964 and revaccination is now being undertaken. It is now the cotton picking season in the Wad Medani area and many workers come from great distances. A search for the source of infection has so far been unsuccessful, but it appears likely that the infection was imported.

(Reported in the *Weekly Epidemiological Record* of the World Health Organization, March 26, 1965).

QUARANTINE MEASURES

Immunization Information for International Travel
1963-64 edition—Public Health Service Publication No. 384

The following information should be added to the list of Yellow Fever Vaccination Centers in Section 6:

Page 78

City: Victoria, Texas

Center: Victoria County Health Department
401 S. Depot Street
Tel: HI5-3182

Clinic Hours: Wed., 2:00 p.m., by appointment.

Fee: Yes

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 13,000 IS PUBLISHED BY THE COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA 30333.

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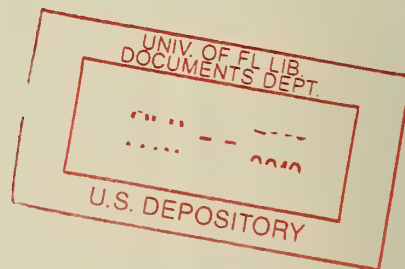
THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

SYMBOLS:---DATA NOT AVAILABLE
- QUANTITY ZERO

THE CONSTRUCTION OF THE MORTALITY CURVES IS DESCRIBED IN VOL. 14, NO. 1.

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